

Mauna Loa Compiled Volcanology Data on Compact Disc

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In the last several years, the NASA aircraft program has amassed a considerable set of remote sensing data. With the upcoming launch of the EOS instrument platforms at the end of this decade, some type of mass data organization is necessary in order to efficiently archive both pre- and syn-EOS data. With this in mind, we have embarked on a series of compact disc volumes that consist of data compilations for various areas. The first set in this series contained data for Kilauea volcano on the island of Hawaii. The second set of the series focuses on Mauna Loa volcano.

Since 1985, NASA has conducted six campaigns to the island of Hawaii. For five of these deployments, the complement of instruments included Zeiss metric cameras, Thematic Mapper Simulator, and the Thermal Infrared Multispectral Scanner. In addition to these data, the NASA DC-8 carrying the NASA/JPL Airborne Synthetic Aperture Radar was deployed to Hawaii in 1990. The compact disc compilation contains most of the useable data collected by these instruments over much of the volcano, as well as data from other parts of the island.

To aid in the use of the aircraft data several other ancillary datasets are also included on the discs. These include a Digital Elevation Model, several maps provided courtesy of the U.S. Geological Survey/Hawaii Volcano Observatory, laboratory spectral data, weather information, and a variety of satellite data.

1. 1993 Fall Meeting

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